

I claim:

- 1           1. A variable volume beverage container comprising:  
2           a vertically elongated upwardly open base having a  
3           cylindrical wall formed at least along an inner surface with  
4           formations distributed over at least a major part of a height of  
5           the wall;  
6           a downwardly open upper part having a wall formed at  
7           least externally with formations mating with the formations of  
8           said base and enabling variable height insertion of said upper  
9           part in said base for varying an internal volume of said  
10          container as defined by said base and said upper part, said upper  
11          part forming a seal with said base preventing escape of gas from  
12          said container;  
13          a mouth on said upper part affording access to an  
14          interior of said container; and  
15          a removable cap on said mouth.

- 1           2. The variable volume beverage container defined in  
2           claim 1 wherein said base and said upper part are molded from  
3           synthetic resin and said formations are mating screw threads.

1           3.    The variable volume beverage container defined in  
2    claim 2 wherein said base and upper part are each molded from a  
3    synthetic resin selected from the group which consists of  
4    polyvinyl chloride, polypropylene, polyethylene, nylon and  
5    polyethyleneterephthalate.

1           4.    The variable volume beverage container defined in  
2    claim 3 wherein said cap is a screw cap threaded onto a neck of  
3    the container surrounding said mouth.

1           5.    The variable volume beverage container defined in  
2    claim 4 wherein said wall of said base is formed on an upper end  
3    thereof with a reinforcing ring.

1           6.    The variable volume beverage container defined in  
2    claim 5, further comprising a sealing ring between an upper end  
3    of said wall of said base and said wall of said upper part and  
4    sealing between them.

1           7. The variable volume beverage container defined in  
2 claim 6, further comprising a bead formed on said upper part and  
3 bearing against said upper end of said wall of said base upon  
4 full insertion of said upper part into said base.

1           8. The variable volume beverage container defined in  
2 claim 7 wherein said walls are generally cylindrical.

1           9. The variable volume beverage container defined in  
2 claim 8 wherein said neck, said mouth and said cap are positioned  
3 along a common axis of said walls.

1           10. The variable volume beverage container defined in  
2 claim 8 wherein said neck, said mouth and said cap are laterally  
3 offset from a common axis of said walls.

1           11. The variable volume beverage container defined in  
2 claim 2 wherein said threads have rounded cross sections.

1           12. The variable volume beverage container defined in  
2 claim 2 wherein said upper part has diametrically opposite webs  
3 adjacent said mouth and facilitating screwing of said upper part  
4 into and out of said base.

1           13. The variable volume beverage container defined in  
2 claim 2 wherein said wall of said base is formed on an upper end  
3 thereof with a reinforcing ring.

1           14. The variable volume beverage container defined in  
2 claim 2, further comprising a sealing ring between an upper end  
3 of said wall of said base and said wall of said upper part and  
4 sealing between them.

1           15. The variable volume beverage container defined in  
2 claim 2, further comprising a bead formed on said upper part and  
3 bearing against said upper end of said wall of said base upon  
4 full insertion of said upper part into said base.

1           16. The variable volume beverage container defined in  
2 claim 2 wherein said walls are generally cylindrical.

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1           17. The variable volume beverage container defined in  
2 claim 4 wherein said neck, said mouth and said cap are positioned  
3 along a common axis of said walls.

1           18. The variable volume beverage container defined in  
2 claim 4 wherein said neck, said mouth and said cap are laterally  
3 offset from a common axis of said walls.

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